## FIGURE 1. CONCEPTUAL SITE MODEL FOR INHALATION EXPOSURES TO ASBESTOS

## Libby Superfund Site -- Operable Unit 6 (BNSF Railroad right-of-way within the boundaries of OU4)

**Receptor and Exposure Location** Sources Release and Transport Pathways **Contaminated Media** (Current and Hypothetical Future) Commercial Recreational Tradesperson Worker Visitor Current Future Current Future Current Future Structural fires Outdoor air near fire location Unenclosed Air in attic or nea onsite building) (e.g. attic spaces, crawl Indoor insulation Enclosed onsite building) (e.g. walls) Outdoor air near ra Product Spillage along rail Contaminated soil along Airborne release lines (vermiculite) lines rail lines in OU6 Airborne release Banks of Kootenai Transfer via clothing/shoes Indoor dust Indoor air River adjacent to OU6 (onsite building) (onsite building) Deposition 1 Airborne release carpeting, interior furnishings Transfer via clothing/shoes Airborne release ? ? ? ? ? Dust in vehicles Transfer via clothing/shoes Airborne release Bulk Transport Vermiculite and/or Outdoor air near Mine site Vermiculite Concentrate disturbed soil Airhorne release Outdoor surface soil (and subsurface soil if Transfer via clothing/shoes disturbed Airborne release Airborne release General (ambient outdoor air Burning Tree bark Deposition (multiple OUs) (multiple OUs) Historic and current airborne releases Deposition Building roofs and Deposition Deposition surfaces Inhalation of dust in Deposition air from disturbance ? of roofing or other outdoor surfaces Pathway is complete and exposure may be significant; dicates contaminated media that will be evaluated with a sampling quantitative evaluation is warranted rogram designed specific to this OU Pathway is complete but is believed to be minor in ndicates contaminated media that will be evaluated in conjunction with 0 comparison to other pathways; qualitative evaluation is ampling programs conducted for OU4 or other on-going sampling programs dicates contaminated media that may or may/or requried additional sampling, evaluation is pending the Pathway may be complete but magnitude of exposure is esults of visual inspections at the depot building to confirm the presence or absance of vermiculite uncertain; further investigation may be necessary sulation in the building. Pathway is incomplete or believed to be negligible; further evaluation is not warranted